Pro Series | IP Dome Camera

IPD6220ES4.3 1080P Fixed Vandal Resistant Dome IP Camera

www.meritlilin.com

- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm function
- Built-in highly sensitive microphone
- One-way audio supported
- ONVIF Profile S supported
- Impact Resistant Polycarbonate Dome Cover
- Meets EN50155:2007 criteria for rolling stock applications
- IP67 rain and dust resistant

Dimensions
Ø115 × 40 mm

Diagram of mounting holes:(unit in mm)

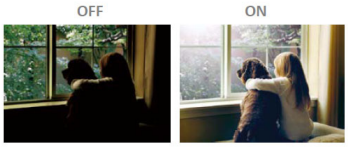
Product Features

Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain

Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light



Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support

3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time

Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality

Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance

Video Security App

Available on Android and iOS – LILIN Pro app provides security alarm push notification, real-time live viewing, and remote video playback

SD Cards in Sync with NAV Software

IPD6220ES4.3 camera with built-in Micro SD/SDHC/SDXC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)

Audio Detection

With Audio Detection technology, an alarm is triggered based on ambient sound conditions as the threshold

Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.

Technical Specifications

IPD6220ES4.3

1080P Fixed Vandal Resistant Dome IP Camera

Video Performance	
Model	IPD6220ES4.3
Min. Illumination	0.2 Lux at F1.6

Power and Environment	
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating Temperature	-40°C – +50°C (-40°F – 122°F)
Storage Temperature	-25°C – +60°C (-13°F – 140°F)
Humidity	0% – 90% RH
Power Supply	PoE (IEEE 802.3af compliant)
Power Consumption	5W

Lens / Night Vision (Infrared LED)	
Focal Length	4.3mm
Iris	F1.6
Iris Control	Fixed IRIS
Angle of View	84.8° (H) 45.2° (V) 100.6° (D)

Sensor	
Pick Up Element	1/2.7" CMOS image sensor
Effective Pixels	1920 (H) × 1080 (V) = 2,073,600 (Pixels)
Chip Size	7.60mm (H) x 5.80mm (V)

Certifications	
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Regulatory Approvals	Rolling Stock, EN50155: 2007 compliance (shock, vibration, temperature, and EMC)

PC Requirements	
CPU	Intel® Core™ i3 or higher grade
OS	Windows 7 or above
RAM	1GB or above, Dedicated Graphics Card
Web Browser	Microsoft® Internet Explorer® 9 or above

Mechanical	
Dimension	Ø115 × 40 mm
Weight	310g

Input / Output	
Audio	One-way Audio, G.711 u-law / PCM, Built-in Microphone

Video Streaming	
Video Compression	H.264, Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Number of Streams	4
Video Bitrate	128Kbps – 8Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported

Network Security	
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 user accounts available

Video Resolutions (H x V)	
Resolution	2MP(1920 × 1080), 1MP(1280 × 720), D1(720 × 480, 720 × 576), CIF(352 × 240)
Maximum Frame Rate	H.264 : up to 30 fps @ 1920 × 1080 ; MJPEG : up to 15 fps @ 1920 × 1080

Video Functions	
Scanning System	Progressive Scan
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation	Off / On
Electrical Shutter	1/30(1/25)s – 1/8000s
Sense Up	Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames
Sense Up+	Yes
Auto Gain Control	36 dB Variable Gain
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip

Integration	
Mobile Application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 5.0, Third party VMS through LILIN HTTP API
SD Card Recording	Support Micro SD/SDHC card for circular recording (card is not included)
IVS Basic 1.0	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
Event Triggers	Motion / Tamper / Audio / Face detection / Network lost detection
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification

Network	
Ethernet	10/100 Mbps Base-T (Tx), RJ-45, M12 connector
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
Network Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Max number of online users	8 simultaneous users

Warranty	
Warranty	3 Year(s)

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